DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name: that I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plura sames are listed below) of the subject matter claimed and for which a patent is sought in the application entitled:

x Application No.

filed February 4, 2000

09/497.522

DIGITAL VIDEO PROCESSING METHOD AND APPARATUS THEREOF

which application is:

(for original application)

the attached application

| | | | | (for decla | ration not accompa | nying application) |
|---|--|--|---|---|--|---|
| patentability of §365 of any p | ent referred to of this applica provisional ap on application | above; that I acknowledge tion under 37 C.F.R. 1.56, the dication or foreign application | e my duty to d at I hereby clair on(s) for patent o | sclose information priority benefits or inventor's certification | on of which I am a s under Title 35, Un ficate listed below a | nding the claims, as amended be aware which is material to the uited States Code \$119, \$172.6 and have also identified on sai at of any foreign application of |
| Appli | cation Number | Country | | Filling Date | | Priority Claimed Yes No |
| matter of each paragraph of | of the claims Title 35, Unit der 37 C.F.R. | of this application is not dis ed States Code, §112, I ack | closed in a lister nowledge my di | I prior United States ty to disclose an | ites application in the information mate | clow and, insofar as the subject the manner provided by the first rial to the patentability of thi onal or PCT international filin |
| | Application 60/118,7 | | Filing Do February 1999 | | | atus ding |
| Reg. No. 23,0 Reg. No. 24,8 No. 26,916; Id Bernstein, Reg Mack, Reg. N W. Hannon, R S. Sylvester, F and Steven M. Office connec | 63; Robert V. 61; Louis Gub seph J. Ruch g. No. 25,665; o. 30,951; Fra eg. No. 32,77 teg. No. 32,76 Gruskin, Reg ted therewith | Sloan, Reg. No. 22,775; Petrinsky, Reg. No. 24,835; Neil Jr., Reg. No. 26,577; Sheld Alan J. Kasper, Reg. No. 25 nk L. Bernstein, Reg. No. 3 3; Abraham J. Rosner, Reg. No. 5 5; Robert M. Masters, Reg. 1 No. 36,818, my attorneys to | er D. Olexy, Reg. B. Siegel, Reg. on I. Landsman, 426; Kenneth J. L,484; Mark Bollo. 33,276; Bruco No. 35,603, Geo. o prosecute this appondence about | . No. 24,513; J. I No. 25,200; Davi Reg. No. 25,430 Burchfiel, Reg. I and, Reg. No. 32 E. Kramer, Reg ge F. Lehnigk, R upplication and to the application | Frank Osha, Reg. N. Id J. Cushing, Reg. 1; Richard C. Turner No. 31,333; Gordon, 197; William H. M. No. 33,725; Paul Feg. No. 36,359, John transact all busines be addressed to S. | keg. No. 21,092; Darryl Mexic o. 24,625; Waddell A. Biggar No. 28,703; John R. Inge, Ref. R. Reg. No. 29,710; Howard I. Kit, Reg. No. 30,764; Susan. fandir, Reg. No. 32,156; Bria F. Neils, Reg. No. 33,102; Bre n T. Callahan, Reg. No. 32,60 ssi in the Patent and Trademan SUGHRUE, MION, ZINN |
| believed to be punishable by | true; and fur fine or impris | her that these statements we | re made with th on 1001 of Title | knowledge that 18 of the United | willful false staten | e on information and belief a ments and the like so made a at such willful false statemen |
| Date | 10 July 2 | 000 | First Inventor | Hyun-doo SH | | |
| Residence | Sungnam-ci | Korea | oublic of Signa | First Name | Middle Initial | Last Name |
| Post Office Ad | | State/Country 510-1302 Mujigae Macul (Republic of Korea | Cheonggu Apt., | 221 Kumi-dong | Bundang-gu, Sun | gnam-city, Kyunki-do, |
| Citizenship | _U.S.A. | | | | | |
| | | | | | | |

| Date10 | July 2 | 000 | Second | Inventor | Yang-lim C | HOI Middle Initial | |
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| Citizenship | Republic | of Korea | | | | | |
| Date | | | Third I | nventor | B.S. MANJ | UNATH Middle Initial | Last Name |
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| Citizenship | Indian | | | | | | |
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| Date | | | Fourth 1 | Inventor | Xinding | SUN Middle Initial | Last Name |
| Residence | Santa Bar City | | 106-9560 Country | Signat | ire | X5 0 | 6101/00 |
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| Citizenship | _PRC | | | | | | |
| | ···· | | | | | | |
| Date | | | Fifth In | ventor | First Name | Middle Initial | Last Name |
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| Attorney | Docket No. | Q53231 |

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

Name: Address: BANGALORE S. MANJUNATH

1071 N. Patterson Avenue Santa Barbara, CA 93111

Nationality:

India

FILED

hereby sell(s), assign(s) and transfer(s) to ASSIGNEE:

JAN 3 1 2001

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, A CALIFORNIA CORPORATION, 111 FRANKLIN STREET, 12th Floor, OAKLAND, CA 94607-5200,

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

DIGITAL VIDEO PROCESSING METHOD AND APPARATUS THEREOF

| and | wh | ich | ie t | found | |
|-----|----|-----|------|-------|--|
| | | | | | |

| (a) | [] | U.S. provisional patent application filed herewith and listing the above named person(s) as inventor(s). |
|-----|-------|--|
| (p) | [] | U.S. patent application filed herewith listing the above named person(s) as inventor(s). |
| (c) | [X] | U.S. patent application serial no. <u>09/497,522</u> , filed on <u>February 4, 2000</u> . |
| (d) | Tra . | II C Potent No : jesued |

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said Invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, fligation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal

Page 1 of 2

representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the <u>ASSIGNOR(s)</u> request(s) the Commissioner of Patents and Trademarks to issu said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, the Regents of the University of California.

Date: Sep 26,2000

, ບວາວ inventor:

MANGAL ORES M

Assignment

Whereas, I/We, Hyun-doo SHIN and Yang-lim CHOI of

510-1302 Mujigae Maeul Cheonggu Apt., 221 Kumi-dong, Bundang-gu, Sungnam-city, Kyungki-do, Republic of Korea, and 102-1112 Wooman Sunkyung, 105 Wooman-dong, Paldal-gu, Kyungki-do, Republic of Korea

respectively, hereinafter called assignor(s), have jointly invented with others certain improvements in DIGITAL VIDEO PROCESSING METHOD AND APPARATUS THEREOF and executed an application for Letters Patent of the United States of America therefor on July 10, 2000; and

Whereas, SAMSUNG ELECTRONICS CO., LTD., 416 Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea (assignee), desires to acquire our entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor:

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, our entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions et forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee

I/We hereby authorize and request our attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3212 to insert here in parentheses (Application number 09/497,522, filed February 4, 2000) the filing date and application number of said application when known.

| Date: | Shin Jun Doo | 28 December 2000 | |
|-------|--|------------------|--|
| Date: | s/ Hyun-doo SHIN Choi All SYang-lim CHOI | 28 December 2000 | |

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) 8/92